IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ramesh B. Poola et al. Confirmation No.: 5419

Application No.: 10/774,296

Filing Date: February 2, 2004

For: LARGE-BORE, MEDIUM-SPEED DIESEL ENGINE HAVING A PISTON CROWN BOWL WITH ACUTE RE-ENTRANT ANGLE

Art Unit: 3747

Examiner Name: McMahon, Marguerite J.

Attorney Docket: 0372-0083

Customer No.: 26568

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22323-1450.

DATE: November 23, 2005
NAME: Diane G. Kapil

Diane G. Kapil
Signature

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

TRANSMITTAL OF REVOCATION OF POWER OF ATTORNEY
AND APPOINTMENT OF NEW POWER OF ATTORNEY

Enclosed is a revocation of power of attorney and appointment of new power of attorney to be filed in the above-identified application. Statement Under 37 CFR 3.73(b) and a copy of a Patent Assignment in the chain of title are also submitted herewith.

Respectfully submitted,

Panasarn Aim Jirut
Registration No. 51,849

Cook, Alex, McFarron, Manzo, Cummings
& Mehler, Ltd.
200 W. Adams Street – Suite 2850
Chicago, IL 60606
(312) 236-8500
November 23, 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

REVOCATION OF POWER OF ATTORNEY AND
APPOINTMENT OF NEW POWER OF ATTORNEY

I hereby revoke all previous powers of attorney given in the patents and patent applications listed in the attached Schedule A of the Patent Assignment submitted herewith.

I hereby appoint the practitioners associated with the Customer Number 26568, my attorneys, with full power of substitution and revocation, to prosecute and to transact all business in the Patent and Trademark Office in connection with the patents and patent applications listed in the attached Schedule A of the Patent Assignment submitted herewith.

Please change the correspondence address for the patents and patent applications listed in Schedule A of the Patent Assignment submitted herewith to the address associated with Customer Number 26568.

Electro-Motive Diesel, Inc. is the assignee of record of the entire interest in the patents and patent applications listed in the attached Schedule A of the Patent Assignment submitted herewith. Statement under 37 CFR 3.73(b) is attached. The undersigned whose title appears below is authorized to act on behalf of the assignee.

Date: 18 April 2005

Thomas W. Rissman
Vice President and General Counsel
Electro-Motive Diesel, Inc.
(312) 266-2444

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

STATEMENT UNDER 37 CFR 3.73(b)

Electro-Motive Diesel, Inc., states that it is the assignee of the entire right, title and interest in the patents and patent applications identified in Schedule A of the Patent Assignment attached hereto.

The undersigned is authorized to act on behalf of the assignee.

Date: 18 April 2005

Thomas W. Rissman
Vice President and General Counsel
Electro-Motive Diesel, Inc.
(312) 266-2444

# PATENT ASSIGNMENT

THIS PATENT ASSIGNMENT (this "Assignment") is made as of this 4th day of April, 2005, by and between GENERAL MOTORS CORPORATION a Delaware corporation ("Assignor"), and ELECTRO-MOTIVE DIESEL, INC., a Delaware corporation ("Assignee").

WHEREAS, Assignor and Assignee are party to a Purchase and Sale Agreement, dated as of January 11, 2005, as amended (the "Agreement"), pursuant to which Assignor has agreed to transfer and Assignee has agreed to acquire certain Transferred Assets (as defined in the Agreement) including, without limitation, the United States patent registrations, pending patent applications and unpatented inventions set forth on Schedule A attached hereto and the foreign patent registrations and pending patent applications set forth on Schedule B attached hereto (collectively, the "Patents"); and

WHEREAS, Assignor wishes to transfer to Assignee, and Assignee wishes to acquire from Assignor, all of Assignor's right, title and interest in, to and under the Patents;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor hereby sells, assigns, conveys and transfers to Assignee all of Assignor's right, title and interest in, to and under the Patents, both U.S. and foreign, and in and to the underlying inventions (including any continuations, continuations-in-part, divisions, renewals, substitutes, reissues, reexaminations or extensions thereof or any legal equivalent thereof for the full term or terms for which the same may be granted), and in and to all income, royalties, damages and payments now or hereafter due or payable with respect thereto, and in and to all causes of action, either at law or in equity, and the right to sue, counterclaim, and recover for past, present or future infringement of the rights assigned herein. Assignor also assigns to said Assignee, its successors, legal representatives and assigns the right of priority for patent and utility model applications in all countries arising under any applicable international convention for the protection of industrial property and/or any internal priority legislation of such countries.

Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States, and the patent offices or agencies of all foreign countries, to record Assignee as assignee and owner of any and all of Assignor's rights in, to and under the Patents and to issue to Assignee any and all patents on said inventions or resulting from said patent applications or any continuations, continuations-in-part or divisions thereof, or resulting from any renewals, substitutions, reissuances, reexaminations or extensions of said patents, for the full term or terms for which the same may be granted.

This Assignment may be executed in any number of counterparts, each of which shall be deemed an original, and may be executed and delivered by facsimile, and all of such counterparts and facsimiles together shall constitute a single instrument.

*[Signature page follows]*

IN TESTIMONY WHEREOF, the parties hereto have caused this Assignment to be executed and delivered as of the date first above written.

**Assignor:**

GENERAL MOTORS CORPORATION

By: Anne T. Larin
Name: Anne T. Larin
Title: ~~Attorney-in-Fact~~ for Walter G. Borst, Treasurer

STATE OF Illinois )
) SS.
COUNTY OF Cook )

The foregoing assignment was acknowledged before me on this 4th day of April, 2005, by Anne T. Larin, a ~~Corporation~~, on behalf of the corporation.

"OFFICIAL SEAL"
Kathryn A. Germolec
Notary Public, State of Illinois
My Commission Exp. 03/26/2009

Kathryn A. Germolec
NOTARY PUBLIC
My Commission Expires: 3/26/2009

**Assignee:**

ELECTRO-MOTIVE DIESEL, INC.

By:
Name: Thomas W. Rissman
Title: VP and General Counsel

STATE OF Illinois )
) SS.
COUNTY OF Cook )

The foregoing assignment was acknowledged before me on this 4th day of April, 2005, by Thomas W. Rissman, a ~~Corporation~~, on behalf of the corporation.

"OFFICIAL SEAL"
Kathryn A. Germolec
Notary Public, State of Illinois
My Commission Exp. 03/26/2009

Kathryn A. Germolec
NOTARY PUBLIC
My Commission Expires: 3/26/2009

'3242050 03108219

## Schedule A
## U.S. Patents and Patent Applications

| ACTIVE U.S. SERIAL NUMBERS | | | |
|---|---|---|---|
| Filing Number | Filing Date | Invention No. | Official title |
| 09/911632 | 25-Jul-01 | GP-300922 | PARTICULATE GUIDE |
| 10/128201 | 23-Apr-02 | GP-300925 | ENGINE CYLINDER POWER MEASURING AND BALANCE METHOD |
| 10/166885 | 11-Jun-02 | GP-301232 | ANTI-BOUNCE NEEDLE VALVE FOR A FUEL INJECTOR |
| 10/172806 | 14-Jun-02 | GP-302455 | ARRANGEMENT OF RADIAL BOGIE |
| 10/193555 | 11-Jul-02 | GP-301312 | ELECTRONICALLY CONTROLLED LATE CYCLE AIR INJECTION TO ACHIEVE SIMULTANEOUS REDUCTION OF NOX AND PARTICULATES EMISSIONS FROM A DIESEL ENGINE |
| 10/218716 | 14-Aug-02 | GP-301313 | HYBRID FUEL INJECTION SYSTEM |
| 10/360376 | 6-Feb-03 | GP-301573 | TECHNIQUE FOR COMPUTING A MEASURE ON AN ULTRASONIC SIGNAL HAVING APPLICATION TO IDENTIFY VALVE DEFECTS IN OPERATING ENGINES |
| 10/409485 | 8-Apr-03 | GP-302308 | DIESEL INJECTION SYSTEM WITH DUAL FLOW FUEL LINE |
| 10/409514 | 8-Apr-03 | GP-302493 | TURBOCHARGER ROTOR |
| 10/423313 | 25-Apr-03 | GP-302494 | DIESEL ENGINE WATER PUMP WITH THRUST BEARING PRELOAD |
| 10/423319 | 25-Apr-03 | GP-302496 | DIESEL ENGINE WATER PUMP WITH IMPROVED WATER SEAL |
| 10/423361 | 25-Apr-03 | GP-302495 | DIESEL ENGINE WATER PUMP WITH IMPROVED OIL CONTROL |
| 10/440049 | 16-May-03 | GP-302022 | TRACTION MOTOR FAULT DETECTION SYSTEM |
| 10/476133 | 25-Oct-03 | GP-301366 | LAYOVER HEATING SYSTEM FOR A LOCOMOTIVE |
| 10/476134 | 25-Oct-03 | GP-301406 | LOW EMISSION FUEL EFFICIENT DIESEL LOCOMOTIVE ENGINE INCLUDING A PISTON HAVING A TOROIDAL SURFACE |
| 10/626510 | 24-Jul-03 | GP-302991 | COOLANT PUMP CAVITATION SUPPRESSOR |
| 10/656976 | 5-Sep-03 | GP-302524 | METHOD AND INTAKE CAM FOR RETAINING EXHAUST RESIDUALS FOR EMISSIONS REDUCTION IN A DIESEL ENGINE |
| 10/673032 | 26-Sep-03 | GP-303049 | ENGINE EMISSION CONTROL SYSTEM AND METHOD |
| 10/727351 | 3-Dec-03 | GP-302162 | EMISSION REDUCTION KIT FOR EMD DIESEL ENGINES |
| 10/752734 | 7-Jan-04 | GP-302753 | LOCATION-SENSITIVE ENGINE EMISSION CONTROL SYSTEM AND METHOD |
| 10/762396 | 22-Jan-04 | GP-303942 | LOCOMOTIVE DIESEL ENGINE TURBOCHARGER AND TURBINE STAGE CONSTRUCTED WITH TURBINE BLADE VIBRATION SUPPRESSION METHODOLOGY |
| 10/762397 | 22-Jan-04 | GP-302752 | CENTRIFIGAL COMPRESSOR WITH CHANNEL RING DEFINED INLET RECIRCULATION CHANNEL |
| 10/762590 | 21-Jan-04 | GP-301230 | METHOD FOR ENGINE CONDITION CONTROL WITH TURBOCOMPRESSOR CONTROLLABLE BYPASS |
| | | | |
| 10/774296 | 6-Feb-04 | GP-304476 | LARGE-BORE, MEDIUM-SPEED DIESEL ENGINE HAVING PISTON CROWN BOWL WITH ACUTE RE-ENTRANT ANGLE |
| 10/787420 | 26-Feb-04 | GP-303364 | PORTED ENGINE CYLINDER LINER WITH SELECTIVELY LASER-HARDENED AND INDUCTION-HARDENED BORE |
| 10/912018 | 5-Aug-04 | GP-302524 | METHOD AND INTAKE CAM FOR RETAINING EXHAUST RESIDUALS FOR EMISSIONS REDUCTION IN A DIESEL |

## ACTIVE U.S. SERIAL NUMBERS

| Filing Number | Filing Date | Invention No. | Official title |
|---|---|---|---|
| | | | ENGINE |
| 10/914815 | 10-Aug-04 | GP-304335 | LOCOMOTIVE SECURITY SYSTEM AND METHOD |
| 10/914816 | 10-Aug-04 | GP-303603 | ENGINE WITH OPTIMIZED ENGINE CHARGE AIR-COOLING SYSTEM |
| 10/922766 | 20-Aug-04 | GP-304336 | COMBINED AFTERCOOLER SYSTEM WITH SHARED FANS |
| 10/956645 | 1-Oct-04 | GP-303604 | ENGINE WITH CHARGE AIR-COOLING SYSTEM WITH WATER FUMIGATION |
| 60/547007 | 23-Feb-04 | GP-304834 | HIGH EFFICIENCY SEMI-ARTICULATED RAILWAY POWER BOGIE |
| 60/548952 | 1-Mar-04 | GP-304877 | OPTIMIZED LOW EMISSION 701 INTERNAL COMBUSTION ENGINE |
| 60/550114 | 4-Mar-04 | GP-303732 | CYLINDER HEAD WITH IMPROVED HEAT TRANSFER AND VALVE SEAT COOLING |
| 60/550835 | 5-Mar-04 | GP-304833 | CHARGE AIR COOLER DESIGNED FOR TIER 2 LOCOMOTIVE DIESEL ENGINE |
| 60/551569 | 9-Mar-04 | GP-304877 | OPTIMIZED LOW EMISSION TWO-STROKE INTERNAL COMBUSTION DIESEL ENGINE |
| 60/577966 | 8-Jun-04 | GP-305391 | DIESEL-ELECTRIC LOCOMOTIVE ENGINE WASTE HEAT RECOVERY SYSTEM |
| 60/613774 | 28-Sep-04 | GP-305891 | FUEL INJECTOR WITH VOP LOSS-RESISTANT VALVE SPRING FOR EMISSIONS-COMPLIANT ENGINE APPLICATIONS |
| | | GP-304834 | HIGH EFFICIENCY SEMI-ARTICULATED RAILWAY POWER BOGIE |
| | | GP-305391 | DIESEL-ELECTRIC LOCOMOTIVE ENGINE WASTE HEAT RECOVERY SYSTEM |
| | | GP-304877 | OPTIMIZED LOW EMISSION TWO-STROKE INTERNAL COMBUSTION ENGINE |
| | | GP-304833 | CHARGE AIR COOLER DESIGNED FOR TIER 2 LOCOMOTIVE DIESEL ENGINE |
| | | GP-303732 | CYLINDER HEAD WITH IMPROVED HEAT TRANSFER AND VALVE SEAT COOLING |

## ACTIVE U.S. PATENTS

| Grant Number | Grant Date | Invention No. | Expiration Date | Official title |
|---|---|---|---|---|
| 4603865 | 5-Aug-86 | D-9150 | 25-Feb-05 | DRIVE MOTOR GEAR LUBRICANT SEAL FOR LOCOMOTIVES AND THE LIKE |
| 4608619 | 26-Aug-86 | D-9333 | 18-Mar-05 | GROUND FAULT VOLTAGE LIMITING FOR A LOCOMOTIVE ELECTRIC TRACTION MOTOR |
| 4609862 | 2-Sep-86 | D-9092 | 9-Sep-05 | TWIN WINDING THREE-PHASE ALTERNATOR WITH ZERO SLOT COUPLING |
| 4616150 | 7-Oct-86 | D-8695 | 28-Jan-05 | INTERPOLE ASSEMBLY FOR A DC MACHINE |
| 4628824 | 16-Dec-86 | D-8512 | 25-Feb-05 | SELF STEERING RAILWAY TRUCK |
| 4679506 | 14-Jul-87 | D-9511 | 21-Nov-05 | RAILWAY TRUCK WITH IMPROVED STEERING LINKAGE, DETACHABLE SUSPENSION AND TRACTION |

| ACTIVE U.S. PATENTS | | | | |
|---|---|---|---|---|
| Grant Number | Grant Date | Invention No. | Expiration Date | Official title |
| 4679507 | 14-Jul-87 | D-9514 | 2-Dec-05 | MOTOR MOUNTED BRAKE |
| 4719818 | 19-Jan-88 | F-489 | 28-Aug-06 | THREE-AXLE RAILWAY TRUCK STEERING LINKAGE |
| 4762103 | 9-Aug-88 | F-491 | 13-Nov-07 | TURBOCHARGER PLANETARY DRIVE |
| 4765250 | 23-Aug-88 | F-1155 | 3-Aug-07 | ENGINE WITH SEALING HEAD SEAT RING |
| 4815935 | 28-Mar-89 | F-524 | 29-Apr-07 | LOCOMOTIVE AND MOTORIZED SELF-STEERING RADIAL TRUCK THEREFOR |
| 4841873 | 27-Jun-89 | F-103 | 3-Feb-07 | CENTRIFUGAL COMPRESSOR WITH AERODYNAMICALLY VARIABLE GEOMETRY DIFFUSER |
| 5071301 | 10-Dec-91 | G-6616 | 28-Feb-11 | RAILWAY LOCOMOTIVE AND STABILIZED SELF STEERING TRUCK THEREFOR |
| 5111785 | 12-May-92 | G-5005 | 11-Jul-11 | MODIFIED ROLLED THREAD FORM FOR STUDS |
| 5127085 | 30-Jun-92 | G-5555 | 1-Apr-11 | ENGINE PROTECTOR WITH NON-OVERRIDE RESET |
| 5163816 | 17-Nov-92 | G-4322 | 12-Jul-11 | RIDE-THROUGH PROTECTION CIRCUIT FOR A VOLTAGE SOURCE INVERTER TRACTION MOTOR DRIVE |
| 5169242 | 8-Dec-92 | G-4204 | 27-Nov-10 | WHEEL LOCK, CENTERING AND DRIVE MEANS AND TURBOCHARGER IMPELLER COMBINATION |
| 5207121 | 4-May-93 | G-3362 | 13-Feb-12 | TURBOCHARGER ASSEMBLY AND STABILIZING JOURNAL BEARING THEREFOR |
| 5220847 | 22-Jun-93 | G-1954 | 24-Feb-12 | GEAR CASE FOR LOCOMOTIVE DRIVE SYSTEM |
| 5251724 | 12-Oct-93 | G-9764 | 16-Mar-12 | MODIFIED TRACTION MOTOR DRIVE WITH HELICAL GEARS AND GEAR INDEXING METHOD THEREFOR |
| 5392741 | 28-Feb-95 | H-171029 | 17-Dec-13 | RAIL LUBRICATION APPLICATION SYSTEM |
| 5398791 | 21-Mar-95 | G-6274 | 14-Mar-14 | LOCOMOTIVE ENGINE COOLING SYSTEM |
| 5424948 | 13-Jun-95 | G-10761 | 10-Nov-13 | METHOD FOR CROWN PLATING A CAMPLATE AND A METAL-PLATED CAMPLATE FORMED THEREBY |
| 5425338 | 20-Jun-95 | H-168568 | 28-Mar-14 | LOCOMOTIVE TRACTION CONTROL SYSTEM USING FUZZY LOGIC |
| 5426567 | 20-Jun-95 | G-11444 | 15-Oct-13 | RAILWAY LOCOMOTIVE DIESEL ENGINE SPEED/LOAD CONTROL DURING AIR STARVATION |
| 5536144 | 16-Jul-96 | H-187352 | 13-Oct-14 | ELECTRONIC MODULE PACKAGE AND MOUNTING HAVING DIAGONALLY DISPOSED GUIDE PINS AND THREADED RODS |
| | | | | TURBOCHARGER TURBINE WHEEL |

| ACTIVE U.S. PATENTS | | | | |
|---|---|---|---|---|
| Grant Number | Grant Date | Invention No. | Expiration Date | Official title |
| | | | | AND SHAFT ASSEMBLY |
| 5567056 | 22-Oct-96 | H-187748 | 29-Sep-14 | TURBOCHARGER DRIVE AND PLANET BEARING THEREFOR |
| 5598705 | 4-Feb-97 | H-194245 | 12-May-15 | TURBOCHARGED ENGINE COOLING APPARATUS |
| 5668428 | 16-Sep-97 | H-169580 | 22-Dec-15 | ELECTRIC MOTOR COMMUTATOR |
| 5775228 | 7-Jul-98 | H-197069 | 14-Apr-17 | LOCOMOTIVE ADHESION ENHANCING SLIPPING DISCS |
| 5775817 | 7-Jul-98 | H-196482 | 4-Nov-16 | FRACTURE PROCESS WITH BORE DISTORTION CONTROLS |
| 5791256 | 11-Aug-98 | H-199578 | 21-Feb-17 | AXLE SPRUNG MOTOR |
| 5894825 | 20-Apr-99 | H-200894 | 19-Feb-18 | ENGINE LUBRICATION SYSTEM |
| 5906182 | 25-May-99 | H-201989 | 25-Mar-17 | ENGINE PISTON |
| 5910099 | 8-Jun-99 | H-201376 | 28-Feb-17 | TURBOCHARGED ENGINE COOLING SYSTEM CONTROL WITH FUEL ECONOMY OPTIMIZATION |
| 5919295 | 6-Jul-99 | H-197067 | 3-Feb-17 | LOCOMOTIVE ADHESION ENHANCING MATERIAL MIXTURES |
| 6006731 | 28-Dec-99 | H-199177 | 18-Nov-17 | LOCOMOTIVE ENGINE COOLING SYSTEM |
| 6079375 | 27-Jun-00 | H-203573 | 2-Aug-19 | COOLANT JACKETED CYLINDER LINER WITH STIFFENING RIBS |
| 6287091 | 11-Sep-01 | GP-300239 | 10-May-20 | TURBOCHARGER WITH NOZZLE RING COUPLING |
| 6302647 | 16-Oct-01 | GP-300101 | 10-May-20 | TURBINE INLET SCROLL |
| 6354815 | 12-Mar-02 | GP-300241 | 10-May-20 | TURBOCHARGER THERMAL ISOLATION CONNECTION |
| 6364634 | 2-Apr-02 | GP-300926 | 29-Sep-20 | TURBOCHARGER ROTOR WITH ALIGNMENT COUPLINGS |
| 6368077 | 9-Apr-02 | GP-300047 | 10-May-20 | TURBOCHARGER SHAFT DUAL PHASE SEAL |
| 6371238 | 16-Apr-02 | GP-300242 | 10-May-20 | TURBOCHARGER SUPPORT |
| 6478553 | 12-Nov-02 | GP-300046 | 24-Apr-21 | HIGH THRUST TURBOCHARGER ROTOR WITH BALL BEARINGS |
| 6499298 | 31-Dec-02 | GP-301233 | 21-Mar-21 | LOCOMOTIVE ENGINE COOLING SYSTEM AND METHOD |
| 6499884 | 31-Dec-02 | GP-300238 | 29-Sep-20 | BEARING/SEAL MEMBER/ASSEMBLY AND MOUNTING |
| 6499969 | 31-Dec-02 | GP-300240 | 10-May-20 | CONICALLY JOINTED TURBOCHARGER ROTOR |
| 6634303 | 21-Oct-03 | GP-300923 | 11-Jun-22 | LOCOMOTIVE WHEEL SLIP CONTROL AND METHOD |
| 6647973 | 18-Nov-03 | GP-301111 | 11-Jun-22 | TWO-STAGE FILTRATION ASSEMBLY FOR A DIESEL ENGINE CRANKCASE VENTILATION SYSTEM |
| 6694957 | 24-Feb-04 | GP-301109 | 13-Sep-22 | MULTI-ORIFICE NOZZLE AIR EVACUATOR ASSEMBLY FOR A VENTILATION SYSTEM OF A DIESEL ENGINE |
| 6712035 | 30-Mar-04 | GP-300703 | 26-Mar-22 | DIESEL INJECTION IGNITER AND METHOD |

| ACTIVE U.S. PATENTS | | | | |
|---|---|---|---|---|
| Grant Number | Grant Date | Invention No. | Expiration Date | Official title |
| 6726459 | 27-Apr-04 | GP-301231 | 7-Nov-22 | VARIABLE INJECTION RATE HIGH PRESSURE FUEL PUMP |
| 6745700 | 8-Jun-04 | GP-302456 | 14-Jun-22 | RADIAL BOGIE WITH STEERING BEAM MOUNT UNITIZED BRAKE |
| 6752131 | 22-Jun-04 | GP-301312 | 11-Jul-22 | ELECTRONICALLY-CONTROLLED LATE CYCLE AIR INJECTION TO ACHIEVE SIMULTANEOUS REDUCTION OF NOX AND PARTICULATES EMISSIONS FROM A DIESEL ENGINE |
| 6798112 | 28-Sep-04 | GP-303283 | 25-Apr-23 | ARMATURE GROUND LOCATING TEST PROCESS AND EQUIPMENT |

| ELECTRO-MOTIVE ACTIVE INVENTION FILES | | | |
|---|---|---|---|
| Invention No. | Open date | Title | Inventor : Last Name |
| GP-304208 | 25-Sep-03 | INJECTOR KIT FOR LOWER EMISSION | XU |
| GP-304208 | 25-Sep-03 | INJECTOR KIT FOR LOWER EMISSION | MAHAKUL |
| GP-304558 | 22-Dec-03 | SYSTEM CONTROL AND CONFIGURATION FOR LOCOMOTIVE COMPRESSED AIR SYSTEM PNEUMATICALLY ACTUATED CONDENSATE DRAIN VALVES | KECK |
| GP-304558 | 22-Dec-03 | SYSTEM CONTROL AND CONFIGURATION FOR LOCOMOTIVE COMPRESSED AIR SYSTEM PNEUMATICALLY ACTUATED CONDENSATE DRAIN VALVES | KLARIC |
| GP-304559 | 22-Dec-03 | FLOW-TRAP GUIDE | BIDDINGS |
| GP-304651 | 20-Jan-04 | METHOD TO EQUALIZE CURRENTS IN PARALLEL-CONNECTED DC TRACTION MOTORS | MADSEN |
| GP-304651 | 20-Jan-04 | METHOD TO EQUALIZE CURRENTS IN PARALLEL-CONNECTED DC TRACTION MOTORS | CROSMAN III |
| GP-304835 | 20-Feb-04 | ENGINE COOLING SYSTEM WITH MULTI-CORE AFTERCOOLERS | UZKAN |
| GP-306047 | 20-Oct-04 | METHOD TO RECORD DATA FROM A REMOTE PROCESSOR | LIGESKI |
| GP-306047 | 20-Oct-04 | METHOD TO RECORD DATA FROM A REMOTE PROCESSOR | CROSMAN III |
| GP-306048 | 20-Oct-04 | ON-BOARD MULTIPROCESSOR LOCOMOTIVE DATA ACQUISITION METHOD | CROSMAN III |
| GP-306048 | 20-Oct-04 | ON-BOARD MULTIPROCESSOR LOCOMOTIVE DATA ACQUISITION METHOD | LIGESKI |
| GP-306049 | 20-Oct-04 | ADAPTIVE TORQUE ESTIMATOR FOR ASYNCHRONOUS MOTOR TRACTION APPLICATIONS | LIGESKI |
| GP-306049 | 20-Oct-04 | ADAPTIVE TORQUE ESTIMATOR FOR ASYNCHRONOUS MOTOR TRACTION APPLICATIONS | CROSMAN III |

## Schedule B
## Foreign Patents and Patent Applications

| ACTIVE FOREIGN APPLICATIONS/PATENTS | | | | | | |
|---|---|---|---|---|---|---|
| Invention No. | Country | Filing Date | Filing Number | Grant Date | Grant Number | Expiration Date |
| D-8512 | CA | 11-Aug-86 | 515661 | 22-Jan-91 | 1279226 | 22-Jan-08 |
| | DE | 27-Aug-86 | 86306593 | | 3683853 | 27-Aug-06 |
| | EP | 27-Aug-86 | 86306593 | | 258502 | 27-Aug-06 |
| | FR | 27-Aug-86 | 86306593 | | 258502 | 27-Aug-06 |
| | GB | 27-Aug-86 | 86306593 | | 258502 | 27-Aug-06 |
| | KR | 11-Sep-86 | 8600007647 | 16-Oct-89 | 29808 | 11-Sep-06 |
| | ZA | 26-Aug-86 | 866472 | | 866472 | 26-Aug-06 |
| D-8834 | CA | 23-Jan-86 | 500214 | 13-Dec-88 | 1246404 | 13-Dec-05 |
| D-9092 | CA | 12-Aug-86 | 515755 | 26-Sep-89 | 1260524 | 26-Sep-06 |
| | CH | 11-Aug-86 | 86306239 | | 214774 | 11-Aug-06 |
| | DE | 11-Aug-86 | 86306239 | | 3679482 | 11-Aug-06 |
| | EP | 11-Aug-86 | 86306239 | | 214774 | 11-Aug-06 |
| D-9150 | CA | 12-Feb-86 | 501670 | 7-Nov-89 | 1262745 | 7-Nov-06 |
| D-9511 | CA | 12-Nov-86 | 522699 | 15-May-90 | 1268993 | 15-May-07 |
| F-1155 | AU | 14-Jul-88 | 19057 | | 611923 | 14-Jul-08 |
| | CA | 26-Jul-88 | 572997 | 2-Jun-92 | 1302163 | 2-Jun-09 |
| | DE | 20-Jul-88 | 3824709 | | 3824709 | 20-Jul-08 |
| | GB | 5-Jul-88 | 8815979 | 24-Jul-91 | 2208377 | 5-Jul-08 |
| F-489 | CA | 25-Aug-87 | 545229 | 29-Jan-91 | 1279501 | 29-Jan-08 |
| F-491 | CA | 17-Aug-87 | 544665 | 15-Oct-91 | 1290777 | 15-Oct-08 |
| F-524 | AU | 8-Apr-88 | 14432 | | 609796 | 8-Apr-08 |
| | CA | 18-Apr-88 | 564368 | 8-Sep-92 | 1307249 | 8-Sep-09 |
| | DE | 29-Mar-88 | 88302786.4 | | 3860591 | 29-Mar-08 |
| | EP | 29-Mar-88 | 88302786.4 | | 289140 | 29-Mar-08 |
| | FR | 29-Mar-88 | 88302786.4 | | 289140 | 29-Mar-08 |
| | GB | 29-Mar-88 | 88302786.4 | | 289140 | 29-Mar-08 |
| | IT | 29-Mar-88 | 88302786.4 | | 289140 | 29-Mar-08 |
| | KR | 28-Apr-88 | 884860 | | 43850 | 28-Apr-08 |
| G-11513 | AU | 10-Feb-94 | 55015 | | 654637 | 10-Feb-14 |
| | CA | 24-Jan-94 | 2114094 | | 2114094 | 24-Jan-14 |
| G-11531 | CA | 16-Dec-93 | 2111637 | 23-Mar-99 | 2111637 | 16-Dec-13 |
| G-1954 | CA | 10-Feb-93 | 2089235 | 25-Feb-97 | 2089235 | 10-Feb-13 |
| G-222 | CA | 26-Oct-89 | 2001546 | 8-Nov-94 | 2001546 | 26-Oct-09 |
| G-3362 | CA | 15-Jan-93 | 2087400 | 19-Dec-95 | 2087400 | 15-Jan-13 |
| G-4204 | AU | 11-Nov-91 | 87742 | 21-May-93 | 633455 | 11-Nov-11 |
| | CA | 12-Aug-91 | 2048932 | 17-Jan-95 | 2048932 | 12-Aug-11 |
| | DE | 6-Nov-91 | 91202877.6 | 29-Mar-95 | 69108523 | 6-Nov-11 |
| | EP | 6-Nov-91 | 91202877.6 | 29-Mar-95 | 488434 | 6-Nov-11 |
| | FR | 6-Nov-91 | 91202877.6 | 29-Mar-95 | 488434 | 6-Nov-11 |
| | GB | 6-Nov-91 | 91202877.6 | 29-Mar-95 | 488434 | 6-Nov-11 |
| G-4322 | AU | 1-Jul-92 | 19355 | | 638189 | 1-Jul-12 |
| | CA | 2-Jun-92 | 2070188 | | 2070188 | 2-Jun-12 |
| | DE | 26-Jun-92 | 92201920.3 | | 69206342 | 26-Jun-12 |

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| | EP | 26-Jun-92 | 92201920.3 | | 522630 | 26-Jun-12 |
| | FR | 26-Jun-92 | 92201920.3 | | 522630 | 26-Jun-12 |
| | GB | 26-Jun-92 | 92201920.3 | | 522630 | 26-Jun-12 |
| | KR | 11-Jul-92 | 9212394 | | 102014 | 11-Jul-12 |
| G-5005 | AU | 24-Jun-92 | 18515 | | 638897 | 24-Jun-12 |
| | CA | 14-Apr-92 | 2065963 | | 2065963 | 14-Apr-12 |
| | IN | 22-Jun-92 | 380 | 22-Jun-92 | 180687 | 22-Jun-06 |
| | MX | 8-Jun-92 | 924001 | | 180747 | 8-Jun-12 |
| | ZA | 23-Jun-92 | 924615 | | 924615 | 23-Jun-12 |
| G-6274 | CA | 31-Jan-95 | 2141533 | 13-Jun-00 | 2141533 | 31-Jan-15 |
| G-9764 | CA | 9-Mar-93 | 2091312 | | 2091312 | 9-Mar-13 |
| GP-300046 | CA | 11-Feb-02 | 2371470 | | | 11-Feb-22 |
| | CN | 24-Apr-02 | 2118182.9 | | | 24-Apr-22 |
| | DE | 26-Feb-02 | 2004193.5 | | | 26-Feb-22 |
| | EP | 26-Feb-02 | 2004193.5 | | | 26-Feb-22 |
| | FR | 26-Feb-02 | 2004193.5 | | | 26-Feb-22 |
| | GB | 26-Feb-02 | 2004193.5 | | | 26-Feb-22 |
| | MX | 18-Apr-02 | 2002/016985 | | | 18-Apr-22 |
| GP-300047 | CA | 3-Jul-01 | 2352021 | 23-Dec-03 | 2352021 | 3-Jul-21 |
| | CH | 6-Jul-01 | 1116392 | | | 6-Jul-21 |
| | DE | 6-Jul-01 | 1116392 | | | 6-Jul-21 |
| | EP | 6-Jul-01 | 1116392 | | | 6-Jul-21 |
| | FR | 6-Jul-01 | 1116392 | | | 6-Jul-21 |
| | GB | 6-Jul-01 | 1116392 | | | 6-Jul-21 |
| | MX | 11-Jul-01 | 2001/007060 | | | 11-Jul-21 |
| GP-300101 | CA | 3-Jul-01 | 2352041 | | | 3-Jul-21 |
| | CH | 6-Jul-01 | 1116393.8 | | | 6-Jul-21 |
| | DE | 6-Jul-01 | 1116393.8 | | | 6-Jul-21 |
| | EP | 6-Jul-01 | 1116393.8 | | | 6-Jul-21 |
| | FR | 6-Jul-01 | 1116393.8 | | | 6-Jul-21 |
| | GB | 6-Jul-01 | 1116393.8 | | | 6-Jul-21 |
| | MX | 11-Jul-01 | 2001/007061 | | | 11-Jul-21 |
| GP-300238 | CA | 7-Aug-01 | 2354817 | | | 7-Aug-21 |
| | CH | 5-Sep-01 | 1121296.6 | | | 5-Sep-21 |
| | DE | 5-Sep-01 | 1121296.6 | | | 5-Sep-21 |
| | EP | 5-Sep-01 | 1121296.6 | | | 5-Sep-21 |
| | FR | 5-Sep-01 | 1121296.6 | | | 5-Sep-21 |
| | GB | 5-Sep-01 | 1121296.6 | | | 5-Sep-21 |
| | MX | 20-Sep-01 | 2001/009499 | | | 20-Sep-21 |
| GP-300239 | CA | 3-Jul-01 | 2352027 | 30-Dec-03 | 2352027 | 3-Jul-21 |
| | CH | 6-Jul-01 | 1116391.2 | | | 6-Jul-21 |
| | DE | 6-Jul-01 | 1116391.2 | | | 6-Jul-21 |
| | EP | 6-Jul-01 | 1116391.2 | | | 6-Jul-21 |
| | FR | 6-Jul-01 | 1116391.2 | | | 6-Jul-21 |
| | GB | 6-Jul-01 | 1116391.2 | | | 6-Jul-21 |
| | MX | 11-Jul-01 | 2001/007062 | | | 11-Jul-21 |

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|---|---|---|---|---|---|---|
| GP-300240 | CA | 3-Jul-01 | 2352031 | | | 3-Jul-21 |
| | CH | 6-Jul-01 | 1116390.4 | | | 6-Jul-21 |
| | DE | 6-Jul-01 | 1116390.4 | | | 6-Jul-21 |
| | EP | 6-Jul-01 | 1116390.4 | | | 6-Jul-21 |
| | FR | 6-Jul-01 | 1116390.4 | | | 6-Jul-21 |
| | GB | 6-Jul-01 | 1116390.4 | | | 6-Jul-21 |
| | MX | 11-Jul-01 | 2001/007063 | | | 11-Jul-21 |
| GP-300241 | CA | 3-Jul-01 | 2352029 | | | 3-Jul-21 |
| | CH | 6-Jul-01 | 1116389.6 | 6-Oct-04 | 1273766 | 6-Jul-21 |
| | DE | 6-Jul-01 | 1116389.6 | 6-Oct-04 | 1273766 | 6-Jul-21 |
| | EP | 6-Jul-01 | 1116389.6 | 6-Oct-04 | 1273766 | 6-Jul-21 |
| | FR | 6-Jul-01 | 1116389.6 | 6-Oct-04 | 1273766 | 6-Jul-21 |
| | GB | 6-Jul-01 | 1116389.6 | 6-Oct-04 | 1273766 | 6-Jul-21 |
| | MX | 11-Jul-01 | 2001/007064 | | | 11-Jul-21 |
| GP-300242 | CA | 3-Jul-01 | 2352022 | 30-Dec-03 | 2352022 | 3-Jul-21 |
| | CH | 6-Jul-01 | 1116388.8 | | | 6-Jul-21 |
| | DE | 6-Jul-01 | 1116388.8 | | | 6-Jul-21 |
| | EP | 6-Jul-01 | 1116388.8 | | | 6-Jul-21 |
| | FR | 6-Jul-01 | 1116388.8 | | | 6-Jul-21 |
| | GB | 6-Jul-01 | 1116388.8 | | | 6-Jul-21 |
| | MX | 11-Jul-01 | 2001/007065 | | | 11-Jul-21 |
| GP-300703 | AT | 21-Jan-03 | 3001194.4 | | | 21-Jan-23 |
| | DE | 21-Jan-03 | 3001194.4 | | | 21-Jan-23 |
| | EP | 21-Jan-03 | 3001194.4 | | | 21-Jan-23 |
| | FR | 21-Jan-03 | 3001194.4 | | | 21-Jan-23 |
| | GB | 21-Jan-03 | 3001194.4 | | | 21-Jan-23 |
| | JP | 26-Mar-03 | 2003-84174 | | | 26-Mar-23 |
| GP-300922 | DE | 3-Jun-02 | 2012199.2 | | | 3-Jun-22 |
| | EP | 3-Jun-02 | 2012199.2 | | | 3-Jun-22 |
| | FR | 3-Jun-02 | 2012199.2 | | | 3-Jun-22 |
| | GB | 3-Jun-02 | 2012199.2 | | | 3-Jun-22 |
| | NL | 3-Jun-02 | 2012199.2 | | | 3-Jun-22 |
| | SE | 3-Jun-02 | 2012199.2 | | | 3-Jun-22 |
| GP-300923 | DE | 4-Apr-03 | 3007824 | | | 4-Apr-23 |
| | EP | 4-Apr-03 | 3007824 | | | 4-Apr-23 |
| | FR | 4-Apr-03 | 3007824 | | | 4-Apr-23 |
| | GB | 4-Apr-03 | 3007824 | | | 4-Apr-23 |
| | NL | 4-Apr-03 | 3007824 | | | 4-Apr-23 |
| | SE | 4-Apr-03 | 3007824 | | | 4-Apr-23 |
| GP-300925 | DE | 3-Feb-03 | 3002322 | | | 3-Feb-23 |
| | EP | 3-Feb-03 | 3002322 | | | 3-Feb-23 |
| | FR | 3-Feb-03 | 3002322 | | | 3-Feb-23 |
| | GB | 3-Feb-03 | 3002322 | | | 3-Feb-23 |
| GP-300926 | CA | 7-Aug-01 | 2354818 | | | 7-Aug-21 |
| | CH | 5-Sep-01 | 1121297.4 | | | 5-Sep-21 |
| | DE | 5-Sep-01 | 1121297.4 | | | 5-Sep-21 |

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| | EP | 5-Sep-01 | 1121297.4 | | | 5-Sep-21 |
| | FR | 5-Sep-01 | 1121297.4 | | | 5-Sep-21 |
| | GB | 5-Sep-01 | 1121297.4 | | | 5-Sep-21 |
| | MX | 19-Sep-01 | 2001/009444 | | | 19-Sep-21 |
| GP-301109 | DE | 7-Apr-03 | 3008105.3 | | | 7-Apr-23 |
| | EP | 7-Apr-03 | 3008105.3 | | | 7-Apr-23 |
| | FR | 7-Apr-03 | 3008105.3 | | | 7-Apr-23 |
| | GB | 7-Apr-03 | 3008105.3 | | | 7-Apr-23 |
| GP-301111 | DE | 7-Apr-03 | 3008107.9 | | | 7-Apr-23 |
| | EP | 7-Apr-03 | 3008107.9 | | | 7-Apr-23 |
| | FR | 7-Apr-03 | 3008107.9 | | | 7-Apr-23 |
| | GB | 7-Apr-03 | 3008107.9 | | | 7-Apr-23 |
| | MX | 21-May-03 | 2003/004485 | | | 21-May-23 |
| GP-301230 | DE | 21-Jan-03 | 3001192.8 | | | 21-Jan-23 |
| | EP | 21-Jan-03 | 3001192.8 | | | 21-Jan-23 |
| | FR | 21-Jan-03 | 3001192.8 | | | 21-Jan-23 |
| | GB | 21-Jan-03 | 3001192.8 | | | 21-Jan-23 |
| GP-301231 | AT | 26-Sep-03 | 3021861.4 | | | 26-Sep-23 |
| | DE | 26-Sep-03 | 3021861.4 | | | 26-Sep-23 |
| | EP | 26-Sep-03 | 3021861.4 | | | 26-Sep-23 |
| | FR | 26-Sep-03 | 3021861.4 | | | 26-Sep-23 |
| | GB | 26-Sep-03 | 3021861.4 | | | 26-Sep-23 |
| | MX | 29-Oct-03 | 2003/009906 | | | 29-Oct-23 |
| GP-301232 | AT | 7-Apr-03 | 3008106.1 | | | 7-Apr-23 |
| | BR | 12-May-03 | PI0301558-0 | | | 12-May-23 |
| | DE | 7-Apr-03 | 3008106.1 | | | 7-Apr-23 |
| | EP | 7-Apr-03 | 3008106.1 | | | 7-Apr-23 |
| | FR | 7-Apr-03 | 3008106.1 | | | 7-Apr-23 |
| | GB | 7-Apr-03 | 3008106.1 | | | 7-Apr-23 |
| | MX | 21-May-03 | 2003/004484 | | | 21-May-23 |
| GP-301312 | AT | 15-May-03 | 3010941.7 | | | 15-May-23 |
| | DE | 15-May-03 | 3010941.7 | | | 15-May-23 |
| | EP | 15-May-03 | 3010941.7 | | | 15-May-23 |
| | FR | 15-May-03 | 3010941.7 | | | 15-May-23 |
| | GB | 15-May-03 | 3010941.7 | | | 15-May-23 |
| GP-301313 | AT | 13-Jun-03 | 3013558.6 | | | 13-Jun-23 |
| | DE | 13-Jun-03 | 3013558.6 | | | 13-Jun-23 |
| | EP | 13-Jun-03 | 3013558.6 | | | 13-Jun-23 |
| | FR | 13-Jun-03 | 3013558.6 | | | 13-Jun-23 |
| | GB | 13-Jun-03 | 3013558.6 | | | 13-Jun-23 |
| GP-301366 | BR | 24-Oct-03 | | | | 27-Apr-21 |
| | DE | 27-Oct-03 | 10296725.3 | | | 27-Apr-21 |
| | GB | 14-Nov-03 | | | | 27-Apr-21 |
| | SE | 27-Oct-03 | 0302833-9 | | | 27-Apr-21 |
| | WO | 27-Apr-02 | 02/13289 | | | 27-Apr-22 |
| GP-301406 | AU | 27-Oct-03 | 2002308513 | | | 27-Apr-22 |

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|---|---|---|---|---|---|---|
| | DE | 27-Oct-03 | 10296726.1 | | | 27-Apr-22 |
| | GB | 14-Nov-03 | 326607.9 | | | 27-Apr-22 |
| | MX | 29-Oct-03 | 2003/009898 | | | 27-Apr-22 |
| | WO | 27-Apr-02 | 02/13411 | | | 27-Apr-22 |
| GP-301573 | AT | 13-Feb-03 | 3250893.9 | | | 13-Feb-23 |
| | AU | 14-Feb-03 | 2003200492 | | | 14-Feb-23 |
| | DE | 13-Feb-03 | 3250893.9 | | | 13-Feb-23 |
| | EP | 13-Feb-03 | 3250893.9 | | | 13-Feb-23 |
| | FR | 13-Feb-03 | 3250893.9 | | | 13-Feb-23 |
| | GB | 13-Feb-03 | 3250893.9 | | | 13-Feb-23 |
| | MX | 14-Feb-03 | 2003/001370 | | | 14-Feb-23 |
| GP-302308 | AU | 7-Apr-04 | 2004201491 | | | 7-Apr-24 |
| | DE | 2-Mar-04 | 4004836.5 | | | 2-Mar-24 |
| | EP | 2-Mar-04 | 4004836.5 | | | 2-Mar-24 |
| | FR | 2-Mar-04 | 4004836.5 | | | 2-Mar-24 |
| | GB | 2-Mar-04 | 4004836.5 | | | 2-Mar-24 |
| | JP | 31-Mar-04 | 2004-104789 | | | 31-Mar-24 |
| GP-302455 | CA | 28-Mar-03 | 2424129 | | | 28-Mar-23 |
| | CN | 16-Jun-03 | 03148641.X | | | 16-Jun-23 |
| | ZA | 1-Apr-03 | 2003/2553 | 31-Dec-03 | 2003/2553 | 1-Apr-23 |
| GP-302456 | CA | 28-Mar-03 | 2423646 | | | 28-Mar-23 |
| | CN | 16-Jun-03 | 3148640.1 | | | 16-Jun-23 |
| | ZA | 1-Apr-03 | 2003/2549 | 31-Dec-03 | 2003/2549 | 1-Apr-23 |
| GP-302493 | AU | 7-Apr-04 | 2004201490 | | | 7-Apr-24 |
| | CA | 11-Feb-04 | 2457467 | | | 11-Feb-24 |
| | CH | 2-Mar-04 | 4004835.7 | | | 2-Mar-24 |
| | DE | 2-Mar-04 | 4004835.7 | | | 2-Mar-24 |
| | EP | 2-Mar-04 | 4004835.7 | | | 2-Mar-24 |
| | FR | 2-Mar-04 | 4004835.7 | | | 2-Mar-24 |
| | GB | 2-Mar-04 | 4004835.7 | | | 2-Mar-24 |
| GP-302494 | AU | 7-Apr-04 | 2004201482 | | | 7-Apr-24 |
| | DE | 1-Mar-04 | 4004661.7 | | | 1-Mar-24 |
| | EP | 1-Mar-04 | 4004661.7 | | | 1-Mar-24 |
| | FR | 1-Mar-04 | 4004661.7 | | | 1-Mar-24 |
| | GB | 1-Mar-04 | 4004661.7 | | | 1-Mar-24 |
| GP-302495 | AU | 7-Apr-04 | 2004201493 | | | 7-Apr-24 |
| | DE | 1-Mar-04 | 4004662.5 | | | 1-Mar-24 |
| | EP | 1-Mar-04 | 4004662.5 | | | 1-Mar-24 |
| | FR | 1-Mar-04 | 4004662.5 | | | 1-Mar-24 |
| | GB | 1-Mar-04 | 4004662.5 | | | 1-Mar-24 |
| GP-302496 | AU | 7-Apr-04 | 2004201489 | | | 7-Apr-24 |
| | DE | 1-Mar-04 | 4004663.3 | | | 1-Mar-24 |
| | EP | 1-Mar-04 | 4004663.3 | | | 1-Mar-24 |
| | FR | 1-Mar-04 | 4004663.3 | | | 1-Mar-24 |
| | GB | 1-Mar-04 | 4004663.3 | | | 1-Mar-24 |
| GP-302524 | AU | 22-Jul-04 | 2004203345 | | | 22-Jul-24 |

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| | DE | 26-Jul-04 | 4017671.1 | | | 26-Jul-24 |
| | EP | 26-Jul-04 | 4017671.1 | | | 26-Jul-24 |
| | FR | 26-Jul-04 | 4017671.1 | | | 26-Jul-24 |
| | GB | 26-Jul-04 | 4017671.1 | | | 26-Jul-24 |
| GP-303049 | AU | 22-Jul-04 | 2004203343 | | | 22-Jul-24 |
| | DE | 18-Aug-04 | 4019566.1 | | | 18-Aug-24 |
| | EP | 18-Aug-04 | 4019566.1 | | | 18-Aug-24 |
| | FR | 18-Aug-04 | 4019566.1 | | | 18-Aug-24 |
| | GB | 18-Aug-04 | 4019566.1 | | | 18-Aug-24 |
| H-168568 | CA | 8-Feb-95 | 2142078 | 28-Jul-98 | 2142078 | 8-Feb-15 |
| H-171029 | CA | 4-Nov-94 | 2135108 | 9-Sep-97 | 2135108 | 4-Nov-14 |
| H-187352 | CA | 28-Aug-95 | 2157091 | 2-May-00 | 2157091 | 28-Aug-15 |
| H-187748 | CA | 18-Sep-95 | 2158509 | 31-Aug-99 | 2158509 | 18-Sep-15 |
| | DE | 27-Sep-95 | 19536017.6 | | | 27-Sep-15 |
| | GB | 8-Sep-95 | 9519804 | 23-Apr-97 | 2293640 | 8-Sep-15 |
| | MX | 18-Sep-95 | 9503988 | 18-Sep-95 | 194583 | 18-Sep-15 |
| H-194245 | AU | 17-Apr-96 | 50700 | 17-Jul-97 | 680163 | 17-Apr-16 |
| | CA | 26-Mar-96 | 2172688 | 13-Jul-99 | 2172688 | 26-Mar-16 |
| | DE | 15-Apr-96 | 96200951 | 21-Nov-01 | 742353 | 15-Apr-16 |
| | EP | 15-Apr-96 | 96200951 | 21-Nov-01 | 742353 | 15-Apr-16 |
| | FR | 15-Apr-96 | 96200951 | 21-Nov-01 | 742353 | 15-Apr-16 |
| | GB | 15-Apr-96 | 96200951 | 21-Nov-01 | 742353 | 15-Apr-16 |
| | KR | 3-May-96 | 14461 | 20-Jan-99 | 190514 | 3-May-16 |
| H-197067 | AU | 13-Jan-98 | 51843/98 | 16-Sep-99 | 705877 | 13-Jan-18 |
| | CA | 16-Jan-98 | 2227351 | 16-Sep-03 | 2227351 | 16-Jan-18 |
| | MX | 23-Jan-98 | 1998/000659 | | | 23-Jan-18 |
| | ZA | 16-Jan-98 | 980383 | | 98/0383 | 16-Jan-18 |
| H-199177 | AU | 29-Oct-98 | 89573/98 | 29-Oct-98 | 702851 | 29-Oct-19 |
| | DE | 20-Oct-98 | 98203535.4 | | | 20-Oct-18 |
| | EP | 20-Oct-98 | 98203535.4 | | | 20-Oct-18 |
| | ES | 20-Oct-98 | 98203535.4 | | | 20-Oct-18 |
| | GB | 20-Oct-98 | 98203535.4 | | | 20-Oct-18 |